



RQ-11A Raven

The Raven small unmanned aerial vehicle (SUAV) is a hand-launched reconnaissance and surveillance tool. The system transmits live airborne video images, compass headings and location information to a ground control unit (GCU) and remote video terminal (RVT). The Raven aircraft is hand launched without the need of special equipment or landing area required. The system employs a self-stabilizing aircraft configuration with stability augmentation avionics and provides ease of control and steady video imagery. The optics package includes an electro-optical (EO) color camera nose payload (side and forward look on the same payload) and two infrared (IR) thermal nose payloads (a side look payload or a forward look payload). The Raven system is typically operated by a two person team consisting of a Pilot and Mission Controller.



Specifications

Wingspan	55 in.
Length	36 in.
Weight	4.2 lb
Payload Nose Weight	6.5 oz
Operating Altitude	150 to 1,000 ft. AGL
Cruise Speed	30 mph (13.5 m/s)
Range	10 km (Line of Sight)
Motor	Direct drive electric
Aircraft Batteries	LiS02 (single-use) Li-Lon (rechargeable)
Flight Duration	60-90 min
Launch & Recovery	Hand-Launched, Deep Stall Landing, Autoland
GCS	Falconview
Features	Handlaunched, Autonomous Navigation

